| | | | | | | : | Bridge In | nspe | ction | | | | | | |
|---|---------------------------------------|--------------------------|---------------|---------------------------|----------------|----------------------|----------------|------------------|----------------|---------------|---------------|--------------------|----------------|-----------------|-------------------|
| Bridge File Num | ber | 01894 -1 Bridge | | | 1894 -1 Bridge | | | | т Туре | | | PSR | | | |
| Year Built/Year | | 1962/196 | 2 | | | | | | No. | | | 2 | | | |
| Supstr | N 1 | DOMPE | . 1 | | | | | Insp | oector N | ame | | Owen Salav | a | | |
| Bridge or Town | ivame | | | | 2.00 | | | Insp | pector C | lass | | BR CLS A | | | |
| Located Over | | LITTLE R | RS-ST | RRIVER | , 3.89, | 39, | | | Assistant Name | | | | | | |
| Located On | | 587:02 C | 1 28.722 | | | | | | istant C | | | | | | |
| Water Body Cl./ | Year | | | | | | | <u> </u> | pection I | | | 25-Oct-2011 | | | |
| Navigabil. Cl./Ye | ear | | | | | | | | a Entry | | | Marcia Chav | | | |
| Legal Land Loca | ation | SE SEC | 29 TWP : | 34 RGE 2 | W5M | | | | a Entry | | | 23-Nov-2011 | | | |
| Longitude, Latitu | ıde | -114:14:5 | 6, 51:56: | 26 | | | | | iewer N | | | John O'Brier | | | |
| Road Authority | · · · · · · · · · · · · · · · · · · · | | | |) | | | | /iew Dat | | | 11-Nov-2011 | | | |
| Contract Main. Area CMA19 | | | | | | | | ot. Revie | | | Andrew Smi | | | | |
| Clear Roadway/Skew 7.9 / | | | | | | | | ot. Revie | | e | 24-Nov-2011 | 1 | | | |
| AADT/Year | | 1,230 / 20 | 010 (A) | | | | | Foll | low-Up I | Зу | | | | | |
| Road Classificat | tion | RCU-209 | -110 | | | | | | | | | | | | |
| Detour Length (| km) | 5 | | | | | | | | | | | | | |
| Allowable Load | (t): Sin | ngle CS1 44 Se GIRDER | | | Semi | | S2 55 IRDER | | | Train | | 3 70 RDER | | > On Critic | al Spans ember |
| Design Loading: | n Loading: HS20 | | | | | | | · | | | | | > Primary S | Span | |
| | | | | Po | osting Ir | nforn | nation | | | | | | | | |
| Required Load Posting (t) Single | | | | | | | Semi | | | | Truck Train | | | | |
| Posted Loading | (t) | Single | | | | | | Semi | | | | Truck Train | | | |
| Posted: | Lane | EB At Junction (| | | , | | No | In Advance (Y/N) | | ′/N) | No | At Bridge (Y/N) No | | No | |
| Posted: | Lane | WB At Junction (| | | on (Y/N | 1) | No | In Advance (Y/N) | | //N) | No | At Bridge (Y/N) No | | No | |
| Remarks Not required. | | | | | | | | | | | | | | | |
| Hazard Marker At Bridge (Y/N) Yes | | | | | | | | | | | | | | | |
| Remarks On timber post @ end | | | | f bri | idge, no | t to s | tandard | | | | | | | | |
| Other Sign Types No fishing from bridge | | | ridge. | e. Utilities (Located at) | | | | | | | | | | | |
| Litility Attachmo | oto | | | | | Ut | llities (L | oca | ted at) | | | | | | |
| Utility Attachments Conduit on South bridgereil | | | | | | | Gas | ` | | | | | | | |
| Telephone Conduit on South bridgerail. Power 2 wire OH 25m North of c/l. | | | | | | | nicipal | | | | | | | | |
| Others | Z WIIC | OH 25m North of c/l. | | | | | | | blem (Y | /NI) N | 10 | | | | |
| Remarks | | | | | | | | 1 10 | DICITI (T | /14) | 10 | | | | |
| rtemante | | | | | | | Approa | ch R | oad | | | | | | |
| | | | | | La | ast | Now | Exp | lanatio | n of C | ondi | tion | | | |
| Horizontal Align | ment | | | | | 6 | 6 | App | roach @ | ® SW o | corne | r. Hill to Wes | t, ade | quate sight dis | stance. |
| Vertical Alignme | ent | | | | | 7 | 7 | | | | | | | | |
| Roadway Width | ` ' | | 9.500 | | | | | | | | | | | | |
| Approach Bump | | | 5 | 6 | | | | | | | | | | | |
| Guardrail (Y/N) Yes | | | | | | e IV rac t spacin | lius @ | SW. | Not attached | to bri | dge parapets. | Incorrect | | | |
| Guardrail | | | | 6 | 5 | ∣SW | ' - 38.0m | n; NW - | - 30.4 | lm; SE - 30.4 | m; NE | E - 60.8m. NE | transition not | | |
| Length (m) | | | 30.400 | | | | | bolt | ed to pa | arapet - | - pho | to. | | | |
| Current Stand | , | N) | No | | | | | | | | | | | | |
| Termination T | ype | | TURNE ENDS | D DOWN | | | | | | | | | | | |
| Drainage | | | | | | 7 | 7 | | | | | | | | |
| Approach Road | d Gene | eral Rating | 9 | | | 6 | 6 | | | | | | | | |
| | | | | | | | | | | | | | | | |

| | | | | | | Sı | upers | tructure | | | |
|---|------------------|------------|-------------|----------------|-------|---|-------|--|--|--|--|
| Bridge Component | | | | | | | | Explanation of Condition | | | |
| (Primary Span : | | ns, Len | qths(n | n): 18.3-24.4- | | | | • | | | |
| Special Feature | | | | | | | | , | | | |
| Special Feature | | | | | | T | Х | | | | |
| (Type:) | | | | | | | | | | | |
| Special Feature | | | | | | T | Х | | | | |
| (Type:) | | | | | | | | | | | |
| Wearing Surfac | e/Deck Top | Detail F | Ratings | S | | | | | | | |
| | l (%) | 1 (%) | | 2 (%) | 3 (% | <u>,</u> | | | | | |
| Last | 10 | |) | 0 | | 0 | | | | | |
| Now | 0.0 | 0. | .0 | 0.0 | | 0.0 |) | | | | |
| Wearing Surfac | e | • | | | 6 | | 6 | Some longitudinal & transverse cracks. | | | |
| (Material Type | | ETE - C | ONVE | NTIONAL CH | IP SE | AL | | Narrow | | | |
| (Thickness(m | m) : 50) | | | | | | | | | | |
| Lateral Connect (Y/N) | tion Probler | m \ | ⁄es | | | | | | | | |
| Deck Top | | | | | N | | N | | | | |
| Deck Rideability | у | | | | 7 | | 7 | | | | |
| Deck Joints | | | | | 8 | | 8 | | | | |
| Temperature | (deg. C) | - | 1 | | | | | | | | |
| (Expansion Type: GLAND (WABO-MAUER, TRANS | | | | FLEX | ΄, Ε | TC)) | | | | | |
| (Fixed Type : GLAND (WABO-MAUER, TRANSFLE) | | | | | | | Exp. | | | | |
| Gap Size (mm) Gap Location | | | | | - // | | Exp. | | | | |
| 81 E. abut. | | | | | | | | | | | |
| 86 E. pier | | | | | | Exp. | | | | | |
| 85 W. pier | | | | | | Exp. | | | | | |
| 82 W. abut. | | | | | | | 1 - 1 | | | | |
| , , , , , , , , , , , , , , , , , , , | | | | | | | | | | | |
| D 1 D : | | | | | | | | | | | |
| Deck Drainage | 1 (3 (/ 1) | | | | 6 | | 6 | | | | |
| Drains Clogge | ed (Y/N) | <u> [</u> | No | | | _ | | | | | |
| Curbs/Median | | | | | N | | 4 | Heavy scaling mostly on N curb-W span - photo. Some cracked sections along S curb. | | | |
| (Curb Type : Standard) | | | | | | One patch around post from previous accident damage. Large spall S side of W span. | | | | | |
| Scaling (Percent Area) 15 | | | | | | Degraded curb fascia may be affecting post anchorage at S curb above P1. | | | | | |
| Bridge Rail | | | | | 7 | | 7 | | | | |
| (Type : VERT | ICAL BAR |) | | | | | | | | | |
| Bridge Rail Posts | | | | | 5 | | 5 | 1/3 of anchor bolts are flush or up to 2 threads below anchor bolt nut. | | | |
| (Type : GALVANIZED POST STEEL;GALVANIZED I STEEL) | | | | POST | • | | | | | | |
| Bridge Rail/Pos | ts Coating | | | | 7 | | 7 | | | | |
| (Type:) | | | | | | | | | | | |
| Sidewalk | | | | | X | | Х | | | | |
| Girder Detail Ra | | | | 1 . | | | | | | | |
| | I (count) | 1 (cou | | 2 (count) | 3 (cc | | | | | | |
| Last | 0 | |) | 0 | | 0 | | | | | |
| Now | 0 | (|) | 0 | | 0 | | | | | |

| | | | Supers | tructure | | | |
|---|-----------------------|---------|----------|--|--|--|--|
| Bridge Component | | | | Explanation of Condition | | | |
| (Primary Span : PO, 3 Spans, L | engths(m): 18.3-24.4- | 18.3, A | -Ident I | Number:) | | | |
| Girders | | 5 | 5 | | | | |
| Cracking (Y/N) | No | | | | | | |
| Spalling (Percent Area) 0 | | | | | | | |
| (Number Of Girders : 13) | | | | | | | |
| Diaphragms/Cross Frame | | 7 | 7 | Steel rusted near joints. | | | |
| Bearings | | 5 | 5 | No nut on bearing A/B in W abut - photo. | | | |
| Temperature (deg. C) | -1 | | | S2G5 bearing at E pier appears to be missing nut on A/B. | | | |
| (Expansion Type : REINFORCED PAD BEARING) | | | | | | | |
| (Fixed Type : NEOPRENE ST | RIP BEARING) | | | Rusty from past leaking joint - photo. | | | |
| Coating Adequate (Y/N) No | | | | | | | |
| Functioning (Y/N) Yes | | | | | | | |
| Deck Underside | | 5 | 5 | | | | |
| Stains (Percent Area) | 2 | | | | | | |
| Span Alignment Problems | | | | | | | |
| Vertical (Y/N) | No | | | | | | |
| Horizontal (Y/N) | No | | | | | | |
| Superstructure General Rating | 3 | 5 | 5 | | | | |
| | | | Cubat | | | | |
| Bridge Component | | Last | Now | Explanation of Condition | | | |
| Abutments | | Last | 11011 | Explanation of condition | | | |
| Bearing Seats/Caps | | 7 | 7 | | | | |
| (Type : CONCRETE) | | | | | | | |
| Backwalls/Breastwalls | | 7 | 7 | | | | |
| Wingwalls | | | 7 | | | | |
| Piles | | N | N | | | | |
| Paint/Coating | | | Х | | | | |
| Abutment Stability | | | 7 | | | | |
| Scour/Erosion | | | 5 | Gully down hslp starts below A1 seat. | | | |
| Piers/Bents | | | | | | | |
| (Type : PIER-SOLID) | | | | Both piers have medium-wide vertical | | | |
| Bearing Seats/Caps | | 7 | 7 | cracks near one-third points. | | | |
| (Type : CONCRETE) | | | | | | | |
| (Total Number of Bearing Piles : | 0:0) | | | | | | |
| Pier Shaft/Piles | | 7 | 7 | | | | |
| Bracing/Struts/Sheathing | | X | X | | | | |
| Nose Plate | | 7 | 7 | | | | |
| Paint/Coating | | 6 | 6 | Minor rust along edges. | | | |
| (Colour Description :) | | | | | | | |
| (Colour Code :) | | | | | | | |
| Pier Stability | | 7 | 7 | | | | |
| Scour | | 7 | 7 | | | | |
| Debris (Y/N) | Yes | | | Large debris at P1 bank side & nose. | | | |

| | | | Subst | ructure |
|--------------------------------|-------|------|-------|---|
| Bridge Component | | Last | Now | Explanation of Condition |
| Substructure General Rating | | | 7 | |
| | | | | ra Unavra |
| | | | Now | re Usage Explanation of Condition |
| Channel | 1 | Lust | 11011 | Explanation of condition |
| (U/S Direction : S) | | | | |
| (D/S Direction : N) | | | | |
| Alignment | | 7 | 7 | |
| Bank Stability | | | 7 | |
| LIVA(NA (ma halaw Tam of Comb) | | | | LNAMA not violate |
| HWM (m below Top of Curb) | ., | | | HWM not visible. Deadfall in channel. |
| Drift (Y/N) | Yes | | 1 | 2000/01/10/10/10/10/10/10/10/10/10/10/10/ |
| Slope Protection | | 6 | 6 | |
| (Type : CONCRETE; CONCRE | ETE) | | | |
| Guidebank/Spurs | | Х | X | |
| A dament of On a rise | | 7 | 7 | |
| Adequacy of Opening | | , | _ ′ | |
| (Fish Compensation Measure 1 : | NONE) | | | |
| (Fish Compensation Measure 2 : | NONE) | | | |
| Channel General Rating | | 6 | 6 | |

| | | Maintenance Recommendations | Recommenda | tions | | | | |
|--|---------------|---|----------------|---------------------------|--------------------|-----------------|--------------------|------|
| Inspector Recommendations | Year | Inspector Comments | | Department Comments | ments | Target Year | Est. Cost | Cat# |
| REPAIR/REPLACE BRIDGE RAIL | | | | | | | | |
| GALVANIZE/PAINT BRIDGE RAIL | | | | | | | | |
| SEAL CURBS | 2012 | Patch scaled / spalled curb & seal, patch / seal | patch / seal | | | | | |
| PATCH DECK | | | | | | | | |
| SEAL DECK | | | | | | | | |
| OVERLAY DECK | | | | | | | | |
| REPAIR/REPLACE DECK JOINTS | | | | | | | | |
| RESET/ PAINT BEARINGS | 2012 | Paint bearings. | | | | | | |
| WASHING | | | | | | | | |
| SHOTCRETE REPAIRS | | | | | | | | |
| REPAIR ABUTMENT SCOUR/EROSION | | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | |
| OTHER ACTION | 2012 | Determine if West abutment bearing A/Bs require nut - install as necessary. | ig A/Bs | | | | | |
| OTHER ACTION | 2012 | | w. | | | | | |
| OTHER ACTION | 2012 | Upgrade West approach rail to meet standard. Attach to parapet at NE. | et standard. | | | | | |
| OTHER ACTION | | | | | | | | |
| Structural Condition Rating (Last/Now) | 66.7/66.7 | .7 Sufficiency Rating (Last/Now) (%) | | 64.6/64.0 | Est. Repl. Yr 2025 | | Maint. Reqd. (Y/N) | Yes |
| Special Comments for Next Inspection | | | | Department Comments | | | | |
| Maintenance Reviewed By | | | | Date | | Estimated Total | 0 | |
| Proposed Long-Term Strategy 20 | 104.12.24 Bri | 2004.12.24 Bridge should be good until next intervention in 2020. Estimated replacement year 2040 | ention in 2020 | Estimated replac | ement year 2040. | | | |
| On 3-Year Program (Y/N) | | | | | | | | |
| Proposed Action | | | | | | | | |
| Previous Inspector's Name O | Owen Salava | | Previous A | Previous Assistant's Name | | | | |
| Next Inspection Date 25 | 25-Jan-2015 | | Previous Ir | Previous Inspection Date | 06-Dec-2010 | | | |
| Inspection Cycle (Default) (months) 39 | | | | | | | | |
| Comment | | | | | | | | |
| | | | | | | | | |

| | | | Maintenance Re | commend | dations | | | | | | |
|--|------------|--|--------------------------------|-------------|--------------------------|---------|---------------|----------|----------------|-----------|-------|
| Inspector Recommendations | Year | Inspecto | or Comments | | Department C | Comme | nts | | Target Year | Est. Cost | Cat # |
| REPAIR/REPLACE BRIDGE RAIL | | | | | | | | | | | |
| GALVANIZE/PAINT BRIDGE RAIL | | | | | | | | | | | |
| SEAL CURBS | 2012 | Patch so seal NW | caled / spalled curb & seal, p | patch / | Programmed | | | 2012 | | | |
| PATCH DECK | | | | | | | | | | | |
| SEAL DECK | | | | | | | | | | | |
| OVERLAY DECK | | | | | | | | | | | |
| REPAIR/REPLACE DECK JOINTS | | | | | | | | | | | |
| RESET/ PAINT BEARINGS | 2012 | Paint be | arings. | | Programmed | | | | 2012 | | |
| WASHING | | | | | | | | | | | |
| SHOTCRETE REPAIRS | | | | | | | | | | | |
| REPAIR ABUTMENT SCOUR/EROSION | | | | | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | | | | |
| OTHER ACTION | 2012 | require nut - install as necessary. | | g A/Bs | Programmed | | | | 2012 | | |
| OTHER ACTION | 2012 | | | | Programmed | | | | 2012 | | |
| OTHER ACTION | 2012 | Upgrade West approach rail to mee standard. Attach to parapet at NE. | | t | Operations | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| Structural Condition Rating (Last/Now) (%) | 66.7/66 | 5.7 | Sufficiency Rating (Last/ | Now) | 64.6/64.0 | Es | t. Repl. Yr | 2025 | Maint. Re | qd. (Y/N) | Yes |
| Special Comments for Next Inspection | | | | | Department Comments | Deck | rehab schedul | ed in PM | A for 2021. DA | | |
| Maintenance Reviewed By Darro | n Ahlsted | dt | | | Date | 30-Oc | t-2012 | ı | Estimated Tota | I 0 | |
| Proposed Long-Term Strategy 2004 | .12.24 Bri | dge shoul | d be good until next interve | ntion in 20 | 20. Estimated | replace | ment year 204 | 40. | | | |
| On 3-Year Program (Y/N) | | | | | | | | | | | |
| Proposed Action | | | | | | | | | | | |
| Previous Inspector's Name Ower | n Salava | | | Previous | revious Assistant's Name | | | | | | |
| | n-2015 | | | Previous | Inspection Date | е | 06-Dec-2010 |) | | | |

| Bridge Inspection 8 | Maintenance S | vetom | (Mah 20 | 05) |
|---------------------|-----------------|---------|----------|-----|
| bridge mspection d | x Maintenance S | ystem i | (VVED ZU | UO) |

Alberta Transportation

01894 -1 Bridge

| Inspection Cycle (Default) (months) | 39 |
|-------------------------------------|----|
| Comment | |